	Application No.	Applicant(s)
Notice of Allowability	10/005,881	VANDERMEER, JOHN
	Examiner	Art Unit
	Kuang Y. Lin	1725

-- Th MAILING DATE of this communication appears on the cover sh et with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment of April 29, 2002*.

2. ☒ The allowed claim(s) is/are *1-13,16,18,19 and 21*.

3. ☐ The drawings filed on _____ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some*   c)☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

5. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    (a)☐ The translation of the foreign language provisional application has been received.

6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

8. ☐ CORRECTED DRAWINGS must be submitted.

    (a) ☐ .including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2)☐ to Paper No. _____ .

    ·(b)☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.

    . (c)☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1☐ Notice of References Cited (PTO-892)	2☐ Notice of Informal Patent Application (PTO-152)
3☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)	4☒ Interview Summary (PTO-413), Paper No. *9-25* .
5☒ Information Disclosure Statements (PTO-1449), Paper No. *1-13*.	6☒ Examiner's Amendment/Comment
7☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8☒ Examiner's Statement of Reasons for Allowance
	9☐ Other .

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Mr. Parrish on September 25, 2003.

The application has been amended as follows:

IN THE CLAIMS

In claim 1, line 12, before "stuccoed", insert -- resulting --; line 17, delete

", refractory".

In claim 3, line 2, 3, 5, respectively, before "dry", insert -- first --.

In claim 4, before "dry", insert -- first --.

In claim 5, line 2, 3, 4, 6, respectively, before "dry", insert -- first --.

In claim 8, line 4, after "mixing", insert -- a portion of --; line 6, after "mixing",

insert -- an another portion of --; line 11, before "stuccoed", insert -- resulting --.

In claim 11, line 3, after "mixing", insert -- a portion of --; same line, delete

"silica sol which has a solids content of"; line 8, after "mixing", insert -- an

another portion of --; line 13, before "stuccoed", insert -- resulting --.

In claim 13, line 1, delete "dry".

In claim 16, line 13, before "stuccoed", insert -- resulting --; line 18, delete

", refractory".

In claim 18, line 11, before "stuccoed", insert -- resulting --; line 12, before "prime", insert -- the --.

In claim 21, line 12, before "stuccoed", insert -- resulting --.

None of the amendment above is required to overcome the prior art teaching.

Cancel claims 14, 15, 17, and 20. Those claims are product-by-process claims which have different scope than the process claim.

2.   The following is an examiner's statement of reasons for allowance: none of the prior art references shows the claimed feature of mixing fiber and refractory filler to form a dry blend prior to mixing those materials with an aqueous colloidal silica sol to form a refractory slurry in an investment shell mold making process.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuang Y. Lin whose telephone number is 703-308-2322. The examiner can normally be reached on Monday-Friday, 10:00-6:30,.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas X Dunn can be reached on 703-308-3318. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703-308-

0661.

9-26-03

KUANG Y. LIN
EXAMINER
GROUP 320

1725